Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 406739

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	3. API Number 30-015-57750

4. Property Code	5. Property Name	6. Well No.
337368	CEDAR HILLS 15 16 STATE COM	915H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	14	21S	27E		648	S	1403	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	16	21S	27E	M	1650	S	20	W	Eddy

9. Pool Information

WC ALACRAN HILLS UPPER WOLFCAMP OI	98314

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3222
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	21245	Wolfcamp		3/23/2026
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26	20	94	70	197	0
Int1	17.5	13.375	54.5	550	1582.9	0
Int2	12.25	10.75	45.5	2950	463	0
Int3	9.875	8.625	32	9549	939	0
Prod	7.875	5.5	20	21245	2011	7649

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	
Blind	5000	2500	
Double Ram	5000	2500	
Annular	5000	5000	
Double Ram	5000	5000	
Blind	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

Printed Name:	Electronically filed by Jeff Walla	Approved By:	Jeffrey Harrison
Title:	Land Manager	Title:	Petroleum Specialist III
Email Address:	Jeff.Walla@dvn.com	Approved Date:	1/29/2026
Date:	1/13/2026	Phone: 405-552-8154	Conditions of Approval Attached

OIL CONSERVATION DIVISION

Expiration Date: 1/29/2028

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-57750	98314	WC Alacran Hills; Upper Wolfcamp

Property Code	Property Name	Well Number
337368	CEDAR HILLS 15-16 STATE COM	915H

OGRID No.	Operator Name	Ground Level Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3221.9'

Surface Owner: ☒State ☐Fee ☐Tribal ☒Federal

Mineral Owner: ☒State ☐Fee ☐Tribal ☐Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	14	21-S	27-E		648' S	1403' W	32.474689	104.164547	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	16	21-S	27-E		1650' S	20' W	32.477318	104.203448	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	INFILL	30-015-56893	NO	C

Order Numbers PENDING

Well setbacks are under Common Ownership: ☐Yes ☒No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	14	21-S	27-E		1367' S	676' W	32.476655	104.166901	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	15	21-S	27-E		1650' S	100' E	32.477420	104.169417	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	16	21-S	27-E		1650' S	100' W	32.477318	104.203188	EDDY

	Spacing Unit Type Horizontal Vertical	Ground Floor Elevation:
	HORIZONTAL	

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature Shandee Thomas Date 1/13/26

Printed Name SHANDEE THOMAS

Email Address SHANDEE.THOMAS@DVN.COM

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under supervision, and that the same is true and correct to the best of my belief.

B. L. LAMAN NEW MEXICO 22404 PROFESSIONAL SURVEYOR

B.L. Laman

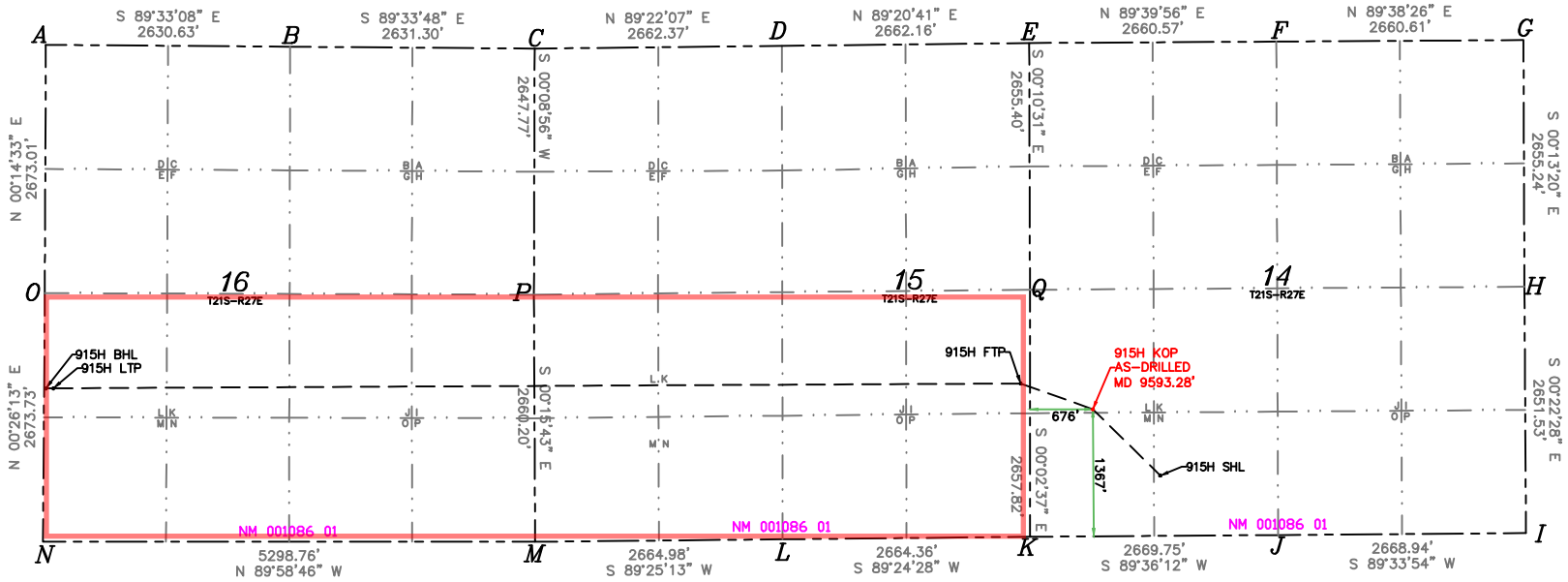
Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
22404	01/12/2026

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



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G=N:541151.54/E:597296.69
H=N:538496.31/E:597306.98
I=N:535844.84/E:597324.32
J=N:535824.58/E:594655.45
K=N:535806.11/E:591985.77
L=N:535778.56/E:589321.54
M=N:535751.60/E:586656.70
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Q=N:538463.92/E:591983.74

SURFACE HOLE LOCATION
GEODETIC COORDINATES NAD 83
NMSP EAST SURFACE LOCATION
648' FSL 1403' FWL SECTION 14
EL:3221.9'
N:536463.85/E:593388.01
LAT:32.474689/LON:104.164547

KICK OFF POINT
1367' FSL 676' FWL SECTION 14
N:537177.85/E:592661.01
LAT:32.476655/LON:104.166901

FIRST TAKE POINT
1650' FSL 100' FEL SECTION 15
N:537455.15/E:591884.51
LAT:32.477420/LON:104.169417

LAST TAKE POINT
1650' FSL 100' FWL SECTION 16
N:537403.46/E:581470.53
LAT:32.477318/LON:104.203188

BOTTOM HOLE LOCATION
1650' FSL 20' FWL SECTION 16
N:537403.49/E:581390.53
LAT:32.477318/LON:104.203448

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 406739

PERMIT COMMENTS

Operator Name and Address:	API Number:
DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 West Sheridan Ave. Oklahoma City, OK 73102	30-015-57750
	Well: CEDAR HILLS 15 16 STATE COM #915H

Created By	Comment	Comment Date
jeffrey.harrison	Infill to 30-015-56893 CEDAR HILLS 15 16 STATE COM #623H	1/29/2026

Sante Fe Main Office
Phone: (505) 476-3441

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 406739

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 West Sheridan Ave. Oklahoma City, OK 73102	30-015-57750
	Well: CEDAR HILLS 15 16 STATE COM #915H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.
jeffrey.harrison	This well is within the designated 4-string area. At least four full casing strings must be utilized for this well.
jeffrey.harrison	This well is within the Capitan Reef aquifer zone. The first intermediate casing string shall be set and cemented back to surface immediately above the Capitan Reef. The second intermediate string shall be set and cemented back to surface immediately below the base of the Capitan Reef.
jeffrey.harrison	Brine water shall not be used in the Capitan Reef. Only fresh water shall be utilized until the Capitan Reef is cased and cemented.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.

Devon Energy Annular Preventer Summary

1. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the 10M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

6-3/4" Production hole section, 10M requirement

Component	OD	Preventer	RWP
Drillpipe	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
HWDP	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
Drill collars and MWD tools	4.75"	Upper 4.5-7" VBR	10M
Mud Motor	4.75"	Upper 4.5-7" VBR	10M
Production casing	5.5"	Upper 4.5-7" VBR	10M
ALL	0-13-5/8"	Annular	5M
Open-hole	-	Blind Rams	10M

VBR = Variable Bore Ram. Compatible range listed in chart.

2. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The pressure at which control is swapped from the annular to another compatible ram is variable, but the operator will document in the submission their operating pressure limit. The operator may chose an operating pressure less than or equal to RWP, but in no case will it exceed the RWP of the annular preventer.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

Devon Energy Annular Preventer Summary

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

General Procedure While Running Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams or BSR. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

Devon Energy Annular Preventer Summary

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
    a. Perform flowcheck, if flowing:
    b. Sound alarm (alert crew)
    c. Stab full opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper pipe ram.
    e. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan

2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. Stab crossover and full opening safety valve and close
    c. Space out drill string with upset just beneath the compatible pipe ram.
    d. Shut-in using compatible pipe ram. (HCR and choke will already be in the closed position.)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    h. Regroup and identify forward plan

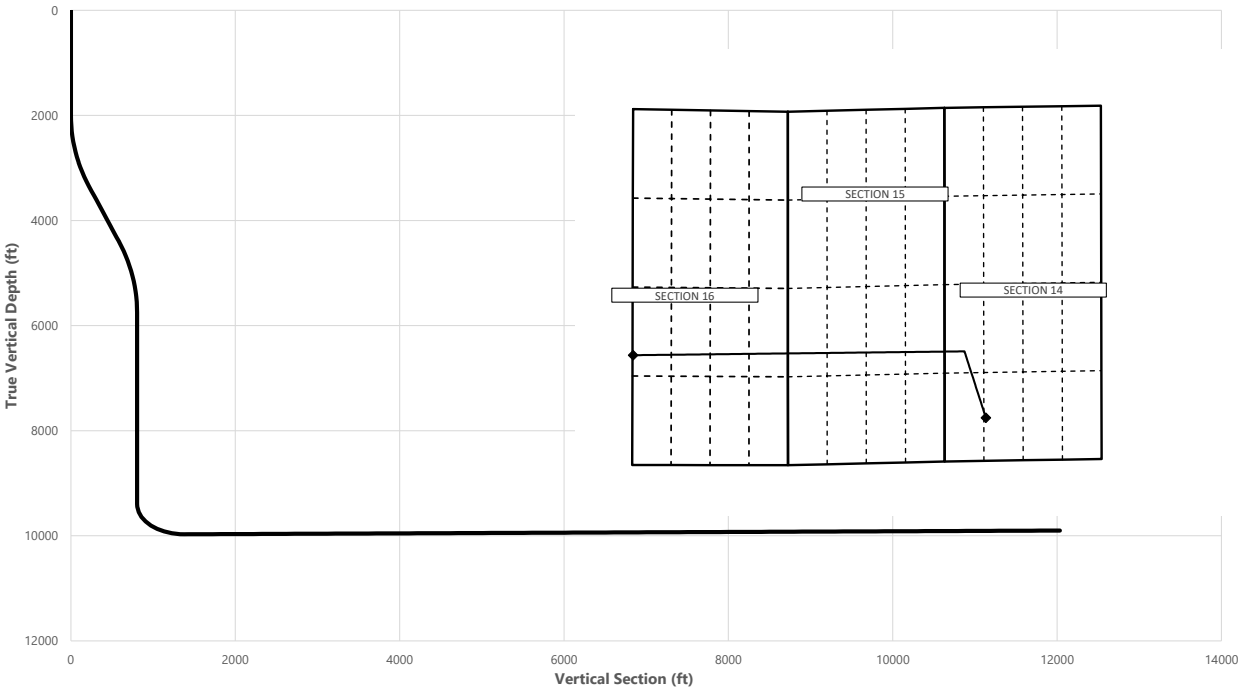
3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. If possible to pick up high enough, pull string clear of the stack and follow “Open Hole” scenario.
    c. If impossible to pick up high enough to pull the string clear of the stack:
    d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
    e. Space out drill string with tooljoint just beneath the upper pipe ram.
    f. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
    g. Confirm shut-in
    h. Notify toolpusher/company representative
    i. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    j. Regroup and identify forward plan

devon

Well: CEDAR HILLS 15-16 STATE COM 915H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	323.83	2000.00	0.00	0.00	0.00	0.00	Start Tangent
3400.00	28.00	323.83	3344.94	270.70	-197.91	218.44	2.00	Hold Tangent
4603.00	28.00	323.83	4407.13	726.63	-531.23	586.34	0.00	Drop to Vertical
6003.00	0.00	323.83	5752.06	997.33	-729.13	804.78	2.00	Hold Vertical
9649.00	0.00	269.71	9398.06	997.33	-729.13	804.78	0.00	KOP
10552.80	90.38	269.71	9971.00	994.38	-1305.89	1379.55	10.00	Landing Point
21244.77	90.38	269.71	9900.00	939.64	-11997.48	12034.22	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	0.00	0.00
Top of Salt (Tansill)	202.00	202.00
Base of Salt	359.00	359.00
Capitan	599.00	599.00
Delaware	2917.61	2902.00
Brushy Canyon	4285.74	4127.00
1st Bone Spring Lime	5647.02	5397.00
1st Bone Spring Sand	6861.94	6611.00
2nd Bone Spring Sand	7604.94	7354.00
3rd Bone Spring Lime	7953.94	7703.00
3rd Bone Spring Sand	8865.94	8615.00
Wolfcamp / Point of Penetration	9203.94	8953.00
exit	21164.77	9900.55

	MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
SHL	0.00	0.00	32.4746	-104.1646	648' FSL, 1403' FWL of Sec 14 in T21SS, R27EE
KOP	9649.00	9398.06	32.4766	-104.1669	1367' FSL, 676' FWL of Sec 14 in T21SS, R27EE
Point of Penetration	9203.94	8953.00	32.4774	-104.1694	1650' FSL, 100' FEL of Sec 14 in T21SS, R27EE
Exit	21164.77	9900.55	32.4773	-104.2032	1650' FSL, 100' FWL of Sec 16 in T21SS, R27EE
BHL	21244.77	9900.00	32.4772	-104.2035	1650' FSL, 20' FWL of Sec 16 in T21SS, R27EE

	Y	X
KOP	537461.2	592658.9

devon

Well: CEDAR HILLS 15-16 STATE COM 915H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	323.83	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	323.83	200.00	0.00	0.00	0.00	0.00	
202.00	0.00	323.83	202.00	0.00	0.00	0.00	0.00	Top of Salt (Tansill)
300.00	0.00	323.83	300.00	0.00	0.00	0.00	0.00	
359.00	0.00	323.83	359.00	0.00	0.00	0.00	0.00	Base of Salt
400.00	0.00	323.83	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	323.83	500.00	0.00	0.00	0.00	0.00	
599.00	0.00	323.83	599.00	0.00	0.00	0.00	0.00	Capitan
600.00	0.00	323.83	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	323.83	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	323.83	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	323.83	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	323.83	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	323.83	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	323.83	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	323.83	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	323.83	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	323.83	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	323.83	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	323.83	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	323.83	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	323.83	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	323.83	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	323.83	2099.98	1.41	-1.03	1.14	2.00	
2200.00	4.00	323.83	2199.84	5.63	-4.12	4.55	2.00	
2300.00	6.00	323.83	2299.45	12.67	-9.26	10.22	2.00	
2400.00	8.00	323.83	2398.70	22.51	-16.45	18.16	2.00	
2500.00	10.00	323.83	2497.47	35.13	-25.69	28.35	2.00	
2600.00	12.00	323.83	2595.62	50.54	-36.95	40.78	2.00	
2700.00	14.00	323.83	2693.06	68.70	-50.22	55.43	2.00	
2800.00	16.00	323.83	2789.64	89.59	-65.50	72.29	2.00	
2900.00	18.00	323.83	2885.27	113.19	-82.75	91.34	2.00	
2917.61	18.35	323.83	2902.00	117.62	-85.99	94.92	2.00	Delaware
3000.00	20.00	323.83	2979.82	139.47	-101.97	112.54	2.00	
3100.00	22.00	323.83	3073.17	168.40	-123.11	135.89	2.00	
3200.00	24.00	323.83	3165.21	199.94	-146.17	161.34	2.00	
3300.00	26.00	323.83	3255.84	234.05	-171.11	188.87	2.00	
3400.00	28.00	323.83	3344.94	270.70	-197.91	218.44	2.00	Hold Tangent
3500.00	28.00	323.83	3433.23	308.60	-225.61	249.02	0.00	
3600.00	28.00	323.83	3521.53	346.50	-253.32	279.60	0.00	
3700.00	28.00	323.83	3609.82	384.40	-281.03	310.19	0.00	
3800.00	28.00	323.83	3698.12	422.30	-308.74	340.77	0.00	
3900.00	28.00	323.83	3786.41	460.20	-336.44	371.35	0.00	
4000.00	28.00	323.83	3874.71	498.10	-364.15	401.93	0.00	
4100.00	28.00	323.83	3963.00	535.99	-391.86	432.51	0.00	
4200.00	28.00	323.83	4051.30	573.89	-419.57	463.10	0.00	
4285.74	28.00	323.83	4127.00	606.39	-443.32	489.32	0.00	Brushy Canyon
4300.00	28.00	323.83	4139.59	611.79	-447.27	493.68	0.00	
4400.00	28.00	323.83	4227.88	649.69	-474.98	524.26	0.00	
4500.00	28.00	323.83	4316.18	687.59	-502.69	554.84	0.00	
4600.00	28.00	323.83	4404.47	725.49	-530.40	585.42	0.00	
4603.00	28.00	323.83	4407.13	726.63	-531.23	586.34	0.00	Drop to Vertical
4700.00	26.06	323.83	4493.52	762.21	-557.24	615.05	2.00	
4800.00	24.06	323.83	4584.11	796.40	-582.24	642.65	2.00	
4900.00	22.06	323.83	4676.11	828.02	-605.36	668.16	2.00	
5000.00	20.06	323.83	4769.43	857.03	-626.56	691.57	2.00	
5100.00	18.06	323.83	4863.94	883.39	-645.83	712.84	2.00	
5200.00	16.06	323.83	4959.53	907.07	-663.15	731.95	2.00	
5300.00	14.06	323.83	5056.09	928.05	-678.48	748.87	2.00	
5400.00	12.06	323.83	5153.50	946.29	-691.82	763.59	2.00	
5500.00	10.06	323.83	5251.64	961.77	-703.14	776.09	2.00	
5600.00	8.06	323.83	5350.39	974.48	-712.43	786.35	2.00	
5647.02	7.12	323.83	5397.00	979.50	-716.10	790.39	2.00	1st Bone Spring Lime
5700.00	6.06	323.83	5449.62	984.41	-719.69	794.35	2.00	
5800.00	4.06	323.83	5549.23	991.53	-724.89	800.10	2.00	
5900.00	2.06	323.83	5649.08	995.83	-728.04	803.57	2.00	
6000.00	0.06	323.83	5749.06	997.33	-729.13	804.78	2.00	
6003.00	0.00	323.83	5752.06	997.33	-729.13	804.78	2.00	Hold Vertical
6100.00	0.00	269.71	5849.06	997.33	-729.13	804.78	0.00	

devon

Well: CEDAR HILLS 15-16 STATE COM 915H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6200.00	0.00	269.71	5949.06	997.33	-729.13	804.78	0.00	
6300.00	0.00	269.71	6049.06	997.33	-729.13	804.78	0.00	
6400.00	0.00	269.71	6149.06	997.33	-729.13	804.78	0.00	
6500.00	0.00	269.71	6249.06	997.33	-729.13	804.78	0.00	
6600.00	0.00	269.71	6349.06	997.33	-729.13	804.78	0.00	
6700.00	0.00	269.71	6449.06	997.33	-729.13	804.78	0.00	
6800.00	0.00	269.71	6549.06	997.33	-729.13	804.78	0.00	
6861.94	0.00	269.71	6611.00	997.33	-729.13	804.78	0.00	1st Bone Spring Sand
6900.00	0.00	269.71	6649.06	997.33	-729.13	804.78	0.00	
7000.00	0.00	269.71	6749.06	997.33	-729.13	804.78	0.00	
7100.00	0.00	269.71	6849.06	997.33	-729.13	804.78	0.00	
7200.00	0.00	269.71	6949.06	997.33	-729.13	804.78	0.00	
7300.00	0.00	269.71	7049.06	997.33	-729.13	804.78	0.00	
7400.00	0.00	269.71	7149.06	997.33	-729.13	804.78	0.00	
7500.00	0.00	269.71	7249.06	997.33	-729.13	804.78	0.00	
7600.00	0.00	269.71	7349.06	997.33	-729.13	804.78	0.00	
7604.94	0.00	269.71	7354.00	997.33	-729.13	804.78	0.00	2nd Bone Spring Sand
7700.00	0.00	269.71	7449.06	997.33	-729.13	804.78	0.00	
7800.00	0.00	269.71	7549.06	997.33	-729.13	804.78	0.00	
7900.00	0.00	269.71	7649.06	997.33	-729.13	804.78	0.00	
7953.94	0.00	269.71	7703.00	997.33	-729.13	804.78	0.00	3rd Bone Spring Lime
8000.00	0.00	269.71	7749.06	997.33	-729.13	804.78	0.00	
8100.00	0.00	269.71	7849.06	997.33	-729.13	804.78	0.00	
8200.00	0.00	269.71	7949.06	997.33	-729.13	804.78	0.00	
8300.00	0.00	269.71	8049.06	997.33	-729.13	804.78	0.00	
8400.00	0.00	269.71	8149.06	997.33	-729.13	804.78	0.00	
8500.00	0.00	269.71	8249.06	997.33	-729.13	804.78	0.00	
8600.00	0.00	269.71	8349.06	997.33	-729.13	804.78	0.00	
8700.00	0.00	269.71	8449.06	997.33	-729.13	804.78	0.00	
8800.00	0.00	269.71	8549.06	997.33	-729.13	804.78	0.00	
8865.94	0.00	269.71	8615.00	997.33	-729.13	804.78	0.00	3rd Bone Spring Sand
8900.00	0.00	269.71	8649.06	997.33	-729.13	804.78	0.00	
9000.00	0.00	269.71	8749.06	997.33	-729.13	804.78	0.00	
9100.00	0.00	269.71	8849.06	997.33	-729.13	804.78	0.00	
9200.00	0.00	269.71	8949.06	997.33	-729.13	804.78	0.00	
9203.94	0.00	269.71	8953.00	997.33	-729.13	804.78	0.00	Wolfcamp / Point of Penetration
9300.00	0.00	269.71	9049.06	997.33	-729.13	804.78	0.00	
9400.00	0.00	269.71	9149.06	997.33	-729.13	804.78	0.00	
9500.00	0.00	269.71	9249.06	997.33	-729.13	804.78	0.00	
9600.00	0.00	269.71	9349.06	997.33	-729.13	804.78	0.00	
9649.00	0.00	269.71	9398.06	997.33	-729.13	804.78	0.00	KOP
9700.00	5.10	269.71	9448.99	997.32	-731.40	807.04	10.00	
9800.00	15.10	269.71	9547.32	997.23	-748.92	824.50	10.00	
9900.00	25.10	269.71	9641.11	997.05	-783.24	858.70	10.00	
10000.00	35.10	269.71	9727.51	996.80	-833.33	908.61	10.00	
10100.00	45.10	269.71	9803.91	996.47	-897.66	972.72	10.00	
10200.00	55.10	269.71	9867.97	996.07	-974.28	1049.08	10.00	
10300.00	65.10	269.71	9917.76	995.63	-1060.86	1135.36	10.00	
10400.00	75.10	269.71	9951.75	995.15	-1154.76	1228.94	10.00	
10500.00	85.10	269.71	9968.92	994.65	-1253.15	1326.99	10.00	
10552.80	90.38	269.71	9971.00	994.38	-1305.89	1379.55	10.00	Landing Point
10600.00	90.38	269.71	9970.69	994.14	-1353.09	1426.58	0.00	
10700.00	90.38	269.71	9970.02	993.62	-1453.08	1526.23	0.00	
10800.00	90.38	269.71	9969.36	993.11	-1553.08	1625.88	0.00	
10900.00	90.38	269.71	9968.70	992.60	-1653.08	1725.53	0.00	
11000.00	90.38	269.71	9968.03	992.09	-1753.07	1825.18	0.00	
11100.00	90.38	269.71	9967.37	991.57	-1853.07	1924.84	0.00	
11200.00	90.38	269.71	9966.70	991.06	-1953.07	2024.49	0.00	
11300.00	90.38	269.71	9966.04	990.55	-2053.06	2124.14	0.00	
11400.00	90.38	269.71	9965.38	990.04	-2153.06	2223.79	0.00	
11500.00	90.38	269.71	9964.71	989.52	-2253.06	2323.44	0.00	
11600.00	90.38	269.71	9964.05	989.01	-2353.05	2423.09	0.00	
11700.00	90.38	269.71	9963.38	988.50	-2453.05	2522.74	0.00	
11800.00	90.38	269.71	9962.72	987.99	-2553.05	2622.39	0.00	
11900.00	90.38	269.71	9962.06	987.48	-2653.04	2722.04	0.00	
12000.00	90.38	269.71	9961.39	986.96	-2753.04	2821.70	0.00	
12100.00	90.38	269.71	9960.73	986.45	-2853.03	2921.35	0.00	
12200.00	90.38	269.71	9960.06	985.94	-2953.03	3021.00	0.00	
12300.00	90.38	269.71	9959.40	985.43	-3053.03	3120.65	0.00	
12400.00	90.38	269.71	9958.74	984.91	-3153.02	3220.30	0.00	

devon

Well: CEDAR HILLS 15-16 STATE COM 915H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12500.00	90.38	269.71	9958.07	984.40	-3253.02	3319.95	0.00	
12600.00	90.38	269.71	9957.41	983.89	-3353.02	3419.60	0.00	
12700.00	90.38	269.71	9956.74	983.38	-3453.01	3519.25	0.00	
12800.00	90.38	269.71	9956.08	982.86	-3553.01	3618.91	0.00	
12900.00	90.38	269.71	9955.42	982.35	-3653.01	3718.56	0.00	
13000.00	90.38	269.71	9954.75	981.84	-3753.00	3818.21	0.00	
13100.00	90.38	269.71	9954.09	981.33	-3853.00	3917.86	0.00	
13200.00	90.38	269.71	9953.43	980.81	-3953.00	4017.51	0.00	
13300.00	90.38	269.71	9952.76	980.30	-4052.99	4117.16	0.00	
13400.00	90.38	269.71	9952.10	979.79	-4152.99	4216.81	0.00	
13500.00	90.38	269.71	9951.43	979.28	-4252.99	4316.46	0.00	
13600.00	90.38	269.71	9950.77	978.77	-4352.98	4416.11	0.00	
13700.00	90.38	269.71	9950.11	978.25	-4452.98	4515.77	0.00	
13800.00	90.38	269.71	9949.44	977.74	-4552.97	4615.42	0.00	
13900.00	90.38	269.71	9948.78	977.23	-4652.97	4715.07	0.00	
14000.00	90.38	269.71	9948.11	976.72	-4752.97	4814.72	0.00	
14100.00	90.38	269.71	9947.45	976.20	-4852.96	4914.37	0.00	
14200.00	90.38	269.71	9946.79	975.69	-4952.96	5014.02	0.00	
14300.00	90.38	269.71	9946.12	975.18	-5052.96	5113.67	0.00	
14400.00	90.38	269.71	9945.46	974.67	-5152.95	5213.32	0.00	
14500.00	90.38	269.71	9944.79	974.15	-5252.95	5312.98	0.00	
14600.00	90.38	269.71	9944.13	973.64	-5352.95	5412.63	0.00	
14700.00	90.38	269.71	9943.47	973.13	-5452.94	5512.28	0.00	
14800.00	90.38	269.71	9942.80	972.62	-5552.94	5611.93	0.00	
14900.00	90.38	269.71	9942.14	972.10	-5652.94	5711.58	0.00	
15000.00	90.38	269.71	9941.47	971.59	-5752.93	5811.23	0.00	
15100.00	90.38	269.71	9940.81	971.08	-5852.93	5910.88	0.00	
15200.00	90.38	269.71	9940.15	970.57	-5952.93	6010.53	0.00	
15300.00	90.38	269.71	9939.48	970.06	-6052.92	6110.19	0.00	
15400.00	90.38	269.71	9938.82	969.54	-6152.92	6209.84	0.00	
15500.00	90.38	269.71	9938.16	969.03	-6252.92	6309.49	0.00	
15600.00	90.38	269.71	9937.49	968.52	-6352.91	6409.14	0.00	
15700.00	90.38	269.71	9936.83	968.01	-6452.91	6508.79	0.00	
15800.00	90.38	269.71	9936.16	967.49	-6552.90	6608.44	0.00	
15900.00	90.38	269.71	9935.50	966.98	-6652.90	6708.09	0.00	
16000.00	90.38	269.71	9934.84	966.47	-6752.90	6807.74	0.00	
16100.00	90.38	269.71	9934.17	965.96	-6852.89	6907.39	0.00	
16200.00	90.38	269.71	9933.51	965.44	-6952.89	7007.05	0.00	
16300.00	90.38	269.71	9932.84	964.93	-7052.89	7106.70	0.00	
16400.00	90.38	269.71	9932.18	964.42	-7152.88	7206.35	0.00	
16500.00	90.38	269.71	9931.52	963.91	-7252.88	7306.00	0.00	
16600.00	90.38	269.71	9930.85	963.39	-7352.88	7405.65	0.00	
16700.00	90.38	269.71	9930.19	962.88	-7452.87	7505.30	0.00	
16800.00	90.38	269.71	9929.52	962.37	-7552.87	7604.95	0.00	
16900.00	90.38	269.71	9928.86	961.86	-7652.87	7704.60	0.00	
17000.00	90.38	269.71	9928.20	961.35	-7752.86	7804.26	0.00	
17100.00	90.38	269.71	9927.53	960.83	-7852.86	7903.91	0.00	
17200.00	90.38	269.71	9926.87	960.32	-7952.86	8003.56	0.00	
17300.00	90.38	269.71	9926.20	959.81	-8052.85	8103.21	0.00	
17400.00	90.38	269.71	9925.54	959.30	-8152.85	8202.86	0.00	
17500.00	90.38	269.71	9924.88	958.78	-8252.84	8302.51	0.00	
17600.00	90.38	269.71	9924.21	958.27	-8352.84	8402.16	0.00	
17700.00	90.38	269.71	9923.55	957.76	-8452.84	8501.81	0.00	
17800.00	90.38	269.71	9922.89	957.25	-8552.83	8601.47	0.00	
17900.00	90.38	269.71	9922.22	956.73	-8652.83	8701.12	0.00	
18000.00	90.38	269.71	9921.56	956.22	-8752.83	8800.77	0.00	
18100.00	90.38	269.71	9920.89	955.71	-8852.82	8900.42	0.00	
18200.00	90.38	269.71	9920.23	955.20	-8952.82	9000.07	0.00	
18300.00	90.38	269.71	9919.57	954.68	-9052.82	9099.72	0.00	
18400.00	90.38	269.71	9918.90	954.17	-9152.81	9199.37	0.00	
18500.00	90.38	269.71	9918.24	953.66	-9252.81	9299.02	0.00	
18600.00	90.38	269.71	9917.57	953.15	-9352.81	9398.67	0.00	
18700.00	90.38	269.71	9916.91	952.64	-9452.80	9498.33	0.00	
18800.00	90.38	269.71	9916.25	952.12	-9552.80	9597.98	0.00	
18900.00	90.38	269.71	9915.58	951.61	-9652.80	9697.63	0.00	
19000.00	90.38	269.71	9914.92	951.10	-9752.79	9797.28	0.00	
19100.00	90.38	269.71	9914.25	950.59	-9852.79	9896.93	0.00	
19200.00	90.38	269.71	9913.59	950.07	-9952.78	9996.58	0.00	
19300.00	90.38	269.71	9912.93	949.56	-10052.78	10096.23	0.00	
19400.00	90.38	269.71	9912.26	949.05	-10152.78	10195.88	0.00	

devon

Well: CEDAR HILLS 15-16 STATE COM 915H
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Geodetic System: US State Plane 1983
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Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
19500.00	90.38	269.71	9911.60	948.54	-10252.77	10295.54	0.00	
19600.00	90.38	269.71	9910.93	948.02	-10352.77	10395.19	0.00	
19700.00	90.38	269.71	9910.27	947.51	-10452.77	10494.84	0.00	
19800.00	90.38	269.71	9909.61	947.00	-10552.76	10594.49	0.00	
19900.00	90.38	269.71	9908.94	946.49	-10652.76	10694.14	0.00	
20000.00	90.38	269.71	9908.28	945.98	-10752.76	10793.79	0.00	
20100.00	90.38	269.71	9907.61	945.46	-10852.75	10893.44	0.00	
20200.00	90.38	269.71	9906.95	944.95	-10952.75	10993.09	0.00	
20300.00	90.38	269.71	9906.29	944.44	-11052.75	11092.75	0.00	
20400.00	90.38	269.71	9905.62	943.93	-11152.74	11192.40	0.00	
20500.00	90.38	269.71	9904.96	943.41	-11252.74	11292.05	0.00	
20600.00	90.38	269.71	9904.30	942.90	-11352.74	11391.70	0.00	
20700.00	90.38	269.71	9903.63	942.39	-11452.73	11491.35	0.00	
20800.00	90.38	269.71	9902.97	941.88	-11552.73	11591.00	0.00	
20900.00	90.38	269.71	9902.30	941.36	-11652.73	11690.65	0.00	
21000.00	90.38	269.71	9901.64	940.85	-11752.72	11790.30	0.00	
21100.00	90.38	269.71	9900.98	940.34	-11852.72	11889.95	0.00	
21164.77	90.38	269.71	9900.55	940.01	-11917.48	11954.50	0.00	exit
21200.00	90.38	269.71	9900.31	939.83	-11952.71	11989.61	0.00	
21244.77	90.38	269.71	9900.00	939.64	-11997.48	12034.22	0.00	BHL

Devon Energy

333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102-5015

Hydrogen Sulfide (H_2S) Contingency Plan

For

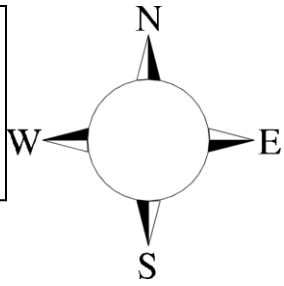
Cedar HIlls 15-16 State Com 915H

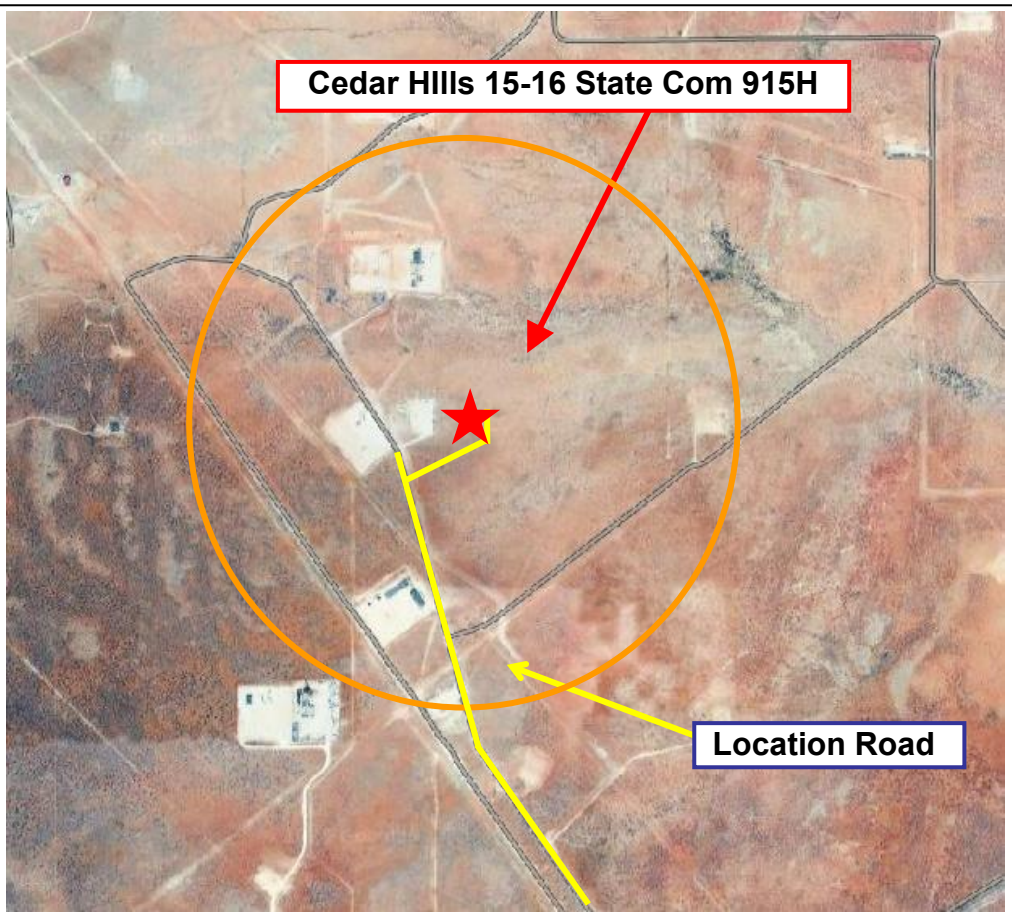
Sec-14, T-21S, R-27E
648’ FSL & 1403’ FWL
LAT. = 32.474689° N (NAD83)
LONG = 104.164547° W

Eddy County, NM

Cedar HIlls 15-16 State Com 915H

This is an open drilling site. H_2S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H_2S, including warning signs, wind indicators and H_2S monitors.





Assumed 100 ppm ROE = 3000' (Radius of Exposure)
100 ppm H_2S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

Assumed 100 ppm ROE = 3000'

100 ppm H_2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, the first responder(s) must

- **Isolate the area and prevent entry by other persons into the 100 ppm ROE.**
- **Evacuate any public places encompassed by the 100 ppm ROE.**
- **Be equipped with H_2S monitors and air packs in order to control the release.**
- **Use the "buddy system" to ensure no injuries occur during the response**
- **Take precautions to avoid personal injury during this operation.**
- **Contact operator and/or local officials to aid in operation. See list of phone numbers attached.**
- **Have received training in the**
  - **Detection of H_2S, and**
  - **Measures for protection against the gas, and**
  - **Equipment used for protection and emergency response.**

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Highway Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE (H_2S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H_2S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H_2S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H_2S Drilling Operations Plan.

There will be weekly H_2S and well control drills for all personnel in each crew.

II. HYDROGEN SULFIDE TRAINING

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H_2S.

1. Well Control Equipment

A. Flare line

B. Choke manifold – Remotely Operated

C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit

D. Auxiliary equipment may include if applicable: annular preventer and rotating head.

E. Mud/Gas Separator

2. Protective equipment for essential personnel:

30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

Fire extinguishers are located at various locations around the rig. First Aid supplies are located in the top doghouse and the rig manager's office.

3. H_2S detection and monitoring equipment:

Portable H_2S monitors positioned on location for best coverage and response. These units have warning lights which activate when H_2S levels reach 10 ppm and audible sirens which activate at 10 ppm. Sensor locations:

- **Bell nipple**
- **Rig floor**
- **Cellar**
- **Possum Belly/Shale shaker**
- **Choke manifold**

Visual warning systems:

A. Wind direction indicators as shown on well site diagram

B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

4. Mud program:

The mud program has been designed to minimize the volume of H_2S circulated to surface. Proper mud weight, safe drilling practices and the use of H_2S scavengers will minimize hazards when penetrating H_2S bearing zones.

5. **Metallurgy:**

   A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H_2S trim.

   B. All elastomers used for packing and seals shall be H_2S trim.

6. **Communication:**

   A. Company personnel have/use cellular telephones in the field.

   B. Land line (telephone) communications at Office

7. **Well testing:**

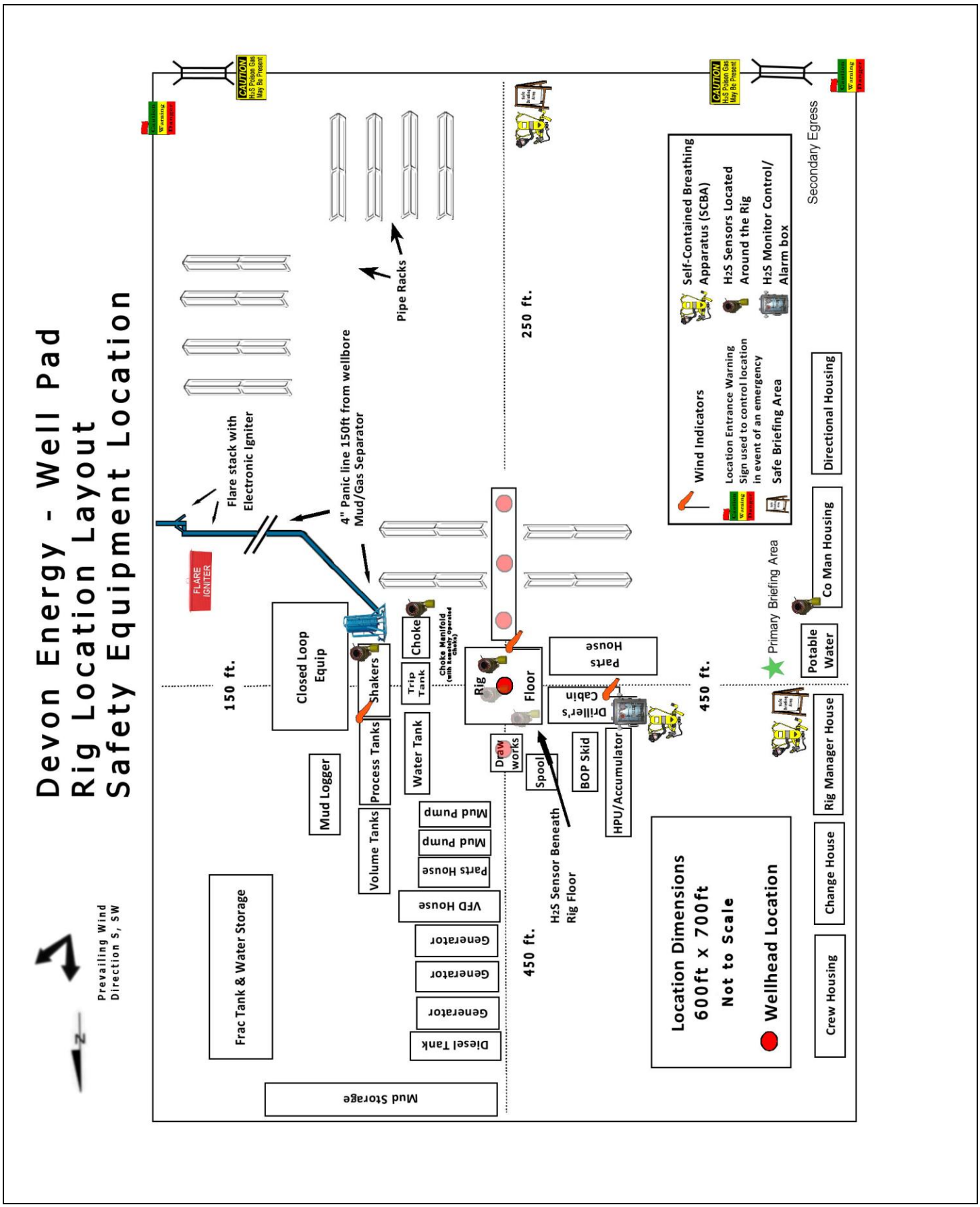
   A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H_2S environment will use the closed chamber method of testing.

   B. There will be no drill stem testing.

Devon Energy Corp. Company Call List

Employee/Company Contact Representative	Position	Phone Number	After Hours Number
Jonathan Fisher (North)	Drilling Manager	832-967-7912	
Jason Hildebrand (South)	Drilling Manager	405-552-6514	
Rich Downey	Drilling VP	405-228-2415	
Josh Harvey	EHS Manager	405-228-2440	918-500-5536
Laura Wright	EHS Supervisor	405-552-5334	832-969-8145
Robert Glover	EHS Professional	575-703-5712	575-703-5712
Lane Frank	Lead EHS	580-579-7052	580-579-7052
Rickey Porter	Lead EHS	903-720-8315	903-720-8315
Ronnie Handy	Lead EHS	918-839-2046	918-839-2046
Brock Vise	Lead EHS	918-413-3291	918-413-3291

Agency Call List		
Lea County (575)	**Hobbs**	
	Lea County Communication Authority	397-9265
	State Police	885-3138
	City Police	397-9265
	Sheriff's Office	396-3611
	Ambulance	**911**
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee)	393-2870
	NMOCD	393-6161
	US Bureau of Land Management (Closed)	393-0002
Eddy County (575)	**Carlsbad**	
	State Police	885-3137
	City Police	885-2111
	Sheriff's Office	887-7551
	Ambulance	**911**
	Fire Department	885-3125
	LEPC (Local Emergency Planning Committee)	887-3798
	US Bureau of Land Management	234-5972
	NM Emergency Response Commission (Santa Fe)	(505) 476-9600
	24 HR	(505) 827-9126
	National Emergency Response Center	(800) 424-8802
	National Pollution Control Center: Direct	(703) 872-6000
	For Oil Spills	(800) 280-7118
	Emergency Services	
	Wild Well Control	(281) 784-4700
	Cudd Pressure Control (915) 699-0139	(915) 563-3356
	Halliburton	(575) 746-2757
	B. J. Services	(575) 746-3569
Give GPS position:	Native Air – Emergency Helicopter – Hobbs	(575) 347-9836
	For Air Ambulance - **Eddy County** Dispatch	(575)-616-7155
	For Air Ambulance - **Lea County** (LCCA)	(575)-397-9265
	Poison Control (24/7)	(800) 222-1222
	Oil & Gas Pipeline 24 Hour Service	(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov	
	National Pollution Control Center	202-795-6958
	NPCC – Oil Spills	800-280-7118


Devon Energy - Well Pad
Rig Location Layout
Safety Equipment Location
Prevailing Wind
Direction S, SW
N
Frac Tank & Water Storage
Mud Logger
Closed Loop Equip
Flare stack with Electronic Igniter
FLARE IGNITER
4" Panic line 150ft from wellbore Mud/Gas Separator
Pipe Racks
150 ft.
250 ft.
450 ft.
450 ft.
Shakers
Process Tanks
Volume Tanks
Choke
Trip Tank
Choke Manifold (with Remote Operated Choke)
Water Tank
Rig Floor
Parts House
Driller's Cabin
Draw works
Spool
BOP Skid
HPU/Accumulator
H2S Sensor Beneath Rig Floor
Mud Pump
Mud Pump
Parts House
VFD House
Generator
Generator
Generator
Diesel Tank
Mud Storage
Wind Indicators
Location Entrance Warning Sign used to control location in event of an emergency
Safe Briefing Area
Self-Contained Breathing Apparatus (SCBA)
H2S Sensors Located Around the Rig
H2S Monitor Control/ Alarm box
Secondary Egress
Primary Briefing Area
Co Man Housing
Directional Housing
Potable Water
Rig Manager House
Change House
Crew Housing
Location Dimensions
600ft x 700ft
Not to Scale
Wellhead Location
CAUTION
H2S Poison Gas May Be Present

1. Geologic Formations

TVD of target	9901	Pilot hole depth	N/A
MD at TD:	21245	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	0		
Top of Salt (Tansill)	202		
Base of Salt	359		
Capitan	599		
Delaware	2902		
Brushy Canyon	4127		
1st Bone Spring Lime	5397		
1st Bone Spring Sand	6611		
2nd Bone Spring Sand	7354		
3rd Bone Spring Lime	7703		
3rd Bone Spring Sand	8615		
Wolfcamp	8953		

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Top (MD)	Bottom (MD)	Top (TVD)	Bottom (TVD)
26	20	94.0	J-55	BTC	0.0	70 MD	0	70 TVD
17 1/2	13 3/8	54.5	J-55	BTC	0.0	550 MD	0	550 TVD
12 1/4	10 3/4	45.5	J-55	BTC SCC	0	2950	0	2950
9 7/8	8 5/8	32.0	P110HP	Talon	0	9549	0	9549
7 7/8	5 1/2	20.0	P110HP	Talon	0	21245 MD	0	9901 TVD

•All casing strings will be tested in accordance with 43 CFR 3172. Must have table for contingency casing.

• The Rustler top will be validated via drilling parameters (i.e. reduction in ROP), and the surface casing setting depth will be revised accordingly. In addition, surface casing will be set a minimum of 25' above the top of the salt.

3. Cementing Program

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	197	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	1583	0	13.2	1.44	Tail: Class H / C + additives
Int 2	40	0	9	3.27	Lead: Class C Cement + additives
	423	550	13.2	1.44	Tail: Class H / C + additives
Int 3	417	0	13	3.27	Lead: Class H /C + additives
	522	4127	13.8	1.44	Tail: Class H / C + additives
Production	476	7649	9	3.27	Lead: Class H /C + additives
	1535	9649	13.2	1.44	Tail: Class H / C + additives

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate 2 casing string with the first stage being pumped conventionally with the calculated top of cement at the Capitan Reef and the second stage performed as a bradenhead squeeze with planned cement from the Capitan Reef to surface. The final cement top will be verified by Echo-meter. Devon will include theEcho-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

Devon Energy requests to offline cement on intermediate strings that are set in formations shallower than the Wolfcamp. Prior to commencing offline cementing operations, the well will be monitored for any abnormal pressures and confirmed to be static. A dual manifold system (equipped with chokes) for the returns will also be utilized as a redundancy. All equipment used for offline cementing will have a minimum 5M rating to match intermediate sections' 5M BOPE requirements.

Casing String	% Excess
Surface	50%
Intermediate	30%
Intermediate 2 (Two Stage)	25%
Prod	10%

4. Pressure Control Equipment (Four String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Int	13-5/8"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Int 1	13-5/8"	5M	Annular (5M)	X	100% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular (5M)	X	100% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.				
N	A variance is requested to run a 5 M annular on a 10M system				

Diverter will be utilized on the 26in Surface hole. BOP will be rigged up on the first intermediate

5. Mud Program

Section	Type	Weight (ppg)
Surface	WBM	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Intermediate 1	WBM	8.5-9
Production	OBM	10-10.5

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing	
X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Rpeort and sbumitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

Additional logs planned		Interval
	Resistivity	Int. shoe to KOP
	Density	Int. shoe to KOP
X	CBL	Production casing
	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	5406
Abnormal temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR 3176. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

1 Spudder rig will move in and batch drill surface hole.
    a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (43 CFR 3172, all COAs and NMOCD regulations).
3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
    a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

X Directional Plan
_____ Other, describe

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: DEVON ENERGY PRODUCTION COMPANY, LP **OGRID:** 6137 **Date:** 10 / 16 / 2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
See attachment						

IV. Central Delivery Point Name: See attachment [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
See attachment						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

NATURAL GAS MANAGEMENT PLAN
Section 1 - Plan Description

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR & FOOTAGE	Anticipated Gas/Oil/Water	Central Delivery Point Name:
CEDAR HILLS 15-16 STATE COM 911H	n/a	14-21S-27E, 780 FSL & 1103 FWL	(+/-)6778mcfd/(+/-)626bopd/(+/-)2539bwpd	CEDAR HILLS 14 CTB 1
CEDAR HILLS 15-16 STATE COM 912H	n/a	14-21S-27E, 750 FSL & 1103 FWL	(+/-)6778mcfd/(+/-)626bopd/(+/-)2539bwpd	CEDAR HILLS 14 CTB 1
CEDAR HILLS 15-16 STATE COM 913H	n/a	14-21S-27E, 780 FSL & 1103 FWL	(+/-)6778mcfd/(+/-)626bopd/(+/-)2539bwpd	CEDAR HILLS 14 CTB 1
CEDAR HILLS 15-16 STATE COM 914H	n/a	14-21S-27E, 750 FSL & 1103 FWL	(+/-)6778mcfd/(+/-)626bopd/(+/-)2539bwpd	CEDAR HILLS 14 CTB 1
CEDAR HILLS 15-16 STATE COM 915H	n/a	14-21S-27E, 780 FSL & 1103 FWL	(+/-)6778mcfd/(+/-)626bopd/(+/-)2539bwpd	CEDAR HILLS 14 CTB 1
CEDAR HILLS 15-16 STATE COM 916H	n/a	14-21S-27E, 750 FSL & 1103 FWL	(+/-)6778mcfd/(+/-)626bopd/(+/-)2539bwpd	CEDAR HILLS 14 CTB 1

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow back Date	First Production Date
CEDAR HILLS 15-16 STATE COM 911H	n/a	5/10/2027	6/9/2027	10/7/2027	10/7/2027	10/7/2027
CEDAR HILLS 15-16 STATE COM 912H	n/a	5/8/2027	6/7/2027	10/5/2027	10/5/2027	10/5/2027
CEDAR HILLS 15-16 STATE COM 913H	n/a	5/9/2027	6/8/2027	10/6/2027	10/6/2027	10/6/2027
CEDAR HILLS 15-16 STATE COM 914H	n/a	1/3/2026	2/2/2026	6/2/2026	6/2/2026	6/2/2026
CEDAR HILLS 15-16 STATE COM 915H	n/a	1/3/2026	2/2/2026	6/2/2026	6/2/2026	6/2/2026
CEDAR HILLS 15-16 STATE COM 916H	n/a	1/3/2026	2/2/2026	6/2/2026	6/2/2026	6/2/2026

* Dates subject to change

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

D Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(t)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Jeffrey Walla
Title:	Surface Land & Regulatory Manager
E-mail Address:	jeff.walla@dvn.com
Date:	10/16/25
Phone:	(405) 552-8154

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment

Devon Energy Production Company, L.P. utilizes a "stage separation" process in which oil and gas separation is carried out through a series of separators operating at successively reduced pressures. Hydrocarbon liquids are produced into a high-pressure inlet separator, then carried through one or more lower pressure separation vessels before entering the storage tanks. The purpose of this separation process is to attain maximum recovery of liquid hydrocarbons from the fluids and allow maximum capture of produced gas into the sales pipeline. Devon utilizes a series of Low-Pressure Compression units to capture gas off the staged separation and send it to the sales pipeline. This process minimizes the amount of flash gas that enters the end-stage storage tanks that is subsequently vented or flared.

VII. Operational Practices

Devon Energy Production Company, L. P. will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

- During drilling operations, Devon will utilize flares and/or combustors to capture and control natural gas, where technically feasible. If flaring is deemed technically in-feasible, Devon will employ best management practices to minimize or reduce venting to the extent possible.
- During completions operations, Devon will utilize Green Completion methods to capture gas produced during well completions that is otherwise vented or flared. If capture is technically in-feasible, flares and/or combustors will be used to capture and control flow back fluids entering into frac tanks during initial flowback. Upon indication of first measurable hydrocarbon volumes, Devon will turn operations to onsite separation vessels and flow to the gathering pipeline.
- During production operations, Devon will take every practical effort to minimize waste of natural gas through venting and flaring by:
    - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
    - Utilizing a closed-loop capture system to collect and route produced gas to sales line via low pressure compression, or to a flare/combustor
    - Flaring in lieu of venting, where technically feasible
    - Utilizing auto-ignitors or continuous pilots, with thermocouples connected to Scada, to quickly detect and resolve issues related to malfunctioning flares/combustors
    - Employ the use of automatic tank gauging to minimize storage tank venting during loading events
    - Installing air-driven or electric-driven pneumatics & combustion engines, where technically feasible to minimize venting to the atmosphere
    - Confirm equipment is properly maintained and repaired through a preventative maintenance and repair program to ensure equipment meets all manufacturer specifications
    - Conduct and document AVO inspections on the frequency set forth in Part 27 to detect and repair any onsite leaks as quickly and efficiently as is feasible

VIII. Best Management Practices during Maintenance

Devon Energy Production Company, L.P. will utilize best management practices to minimize venting during active and planned maintenance activities. Devon is operating under guidance that production facilities permitted under NOI permits have no provisions to allow high pressure flaring and high pressure flaring is only allowed in disruption scenarios so long as the duration is less than eight hours. When technically feasible, flaring during maintenance activities will be utilized in lieu of venting to the atmosphere. Devon will work with third-party operators during scheduled maintenance of downstream pipeline or processing plants to address those events ahead of time to minimize venting. Actions considered include identifying alternative capture approaches or planning to temporarily reduce production or shut in the well to address these circumstances.

Devon Energy Production Company, L.P.
333 W. Sheridan Avenue
Oklahoma City, Oklahoma
73102
Phone: (405) 228-4800

WASTE MINIMIZATION PLAN

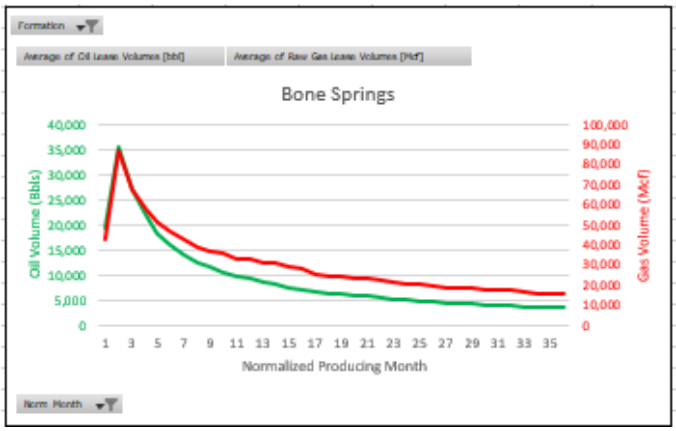
Per 89 FR 25378 - Waste Prevention, Production Subject to Royalties, and Resource Conservation, requirements:

(1) initial oil production estimates and decline,
(2) initial gas production estimates and decline,
(3) certification that the operator has an executed gas sales contract to sell 100 percent of the produced oil-well gas, and
(4) any other information demonstrating the operator's plans to avoid the waste of gas.

(1), (2) 3 year Oil and Gas decline curves: Bone Spring and Wolfcamp formation decline curves below supply Year 1, 2, 3 cumulative values for oil and gas, in range format; based on peak IP rates for oil and gas based on Devon Energy Production Company, L.P. operated wells ID post 1/2019, 10K LL norm, P90-10 ranges, annualized rates. Please refer to NGMP for table of initial oil and gas volumes.

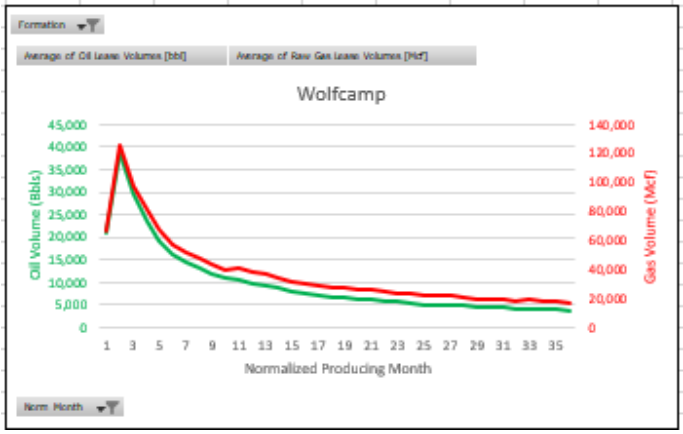
Bone Spring

Formation	BONE SPRING	
Row Labels	Average of Oil Lease Volumes [bbl]	Average of Raw Gas Lease Volumes [Mcf]
1	19,315	42,932
2	35,635	86,628
3	27,075	67,925
4	21,878	57,655
5	18,060	51,155
6	15,820	46,275
7	13,959	42,396
8	12,424	38,686
9	11,573	37,367
10	10,659	35,824
11	9,741	33,508
12	9,337	33,054
13	8,598	30,966
14	8,233	30,838
15	7,655	29,293
16	7,196	27,837
17	6,769	25,881
18	6,391	24,902
19	6,288	24,863
20	6,018	23,768
21	5,776	23,300
22	5,411	22,178
23	5,101	21,196
24	5,029	20,968
25	4,740	20,122
26	4,639	19,322
27	4,478	19,023
28	4,424	18,634
29	4,341	18,585
30	4,194	18,114
31	4,105	17,970
32	3,938	17,446
33	3,782	16,732
34	3,649	16,145
35	3,576	15,671
36	3,596	15,727
Grand Total	9,261	30,347



Wolfcamp

Formation	WOLFCAMP	
Row Labels	Average of Oil Lease Volumes [bbl]	Average of Raw Gas Lease Volumes [Mcf]
1	20,900	66,190
2	38,616	125,577
3	29,391	97,071
4	23,540	81,028
5	19,277	67,504
6	16,133	57,289
7	14,454	51,967
8	13,013	47,238
9	11,979	43,012
10	10,914	40,230
11	10,409	40,318
12	9,779	37,823
13	9,240	36,371
14	8,634	34,674
15	7,883	31,771
16	7,462	29,739
17	7,017	29,445
18	6,647	27,460
19	6,616	27,761
20	6,199	26,312
21	6,154	26,419
22	5,816	25,044
23	5,670	24,134
24	5,393	23,334
25	5,150	22,182
26	5,074	22,068
27	4,986	21,678
28	4,824	21,024
29	4,637	19,807
30	4,480	19,172
31	4,373	18,370
32	4,218	18,642
33	4,251	18,901
34	3,995	17,906
35	3,930	17,596
36	3,815	16,957
Grand Total	9,855	37,000



(3) Certification (NGMP Section 3 – Certification): Operator (Devon Energy Production Company, L.P.) will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, takng into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system;

(4) Addl waste avoidance information: Refer to NGMP Sec. VII. Operational Practices & VIII. Best Management Practices during Maintenance

Devon Energy Production Company, L.P.
333 W. Sheridan Avenue
Oklahoma City, Oklahoma
73102
Phone: (405) 228-4800

WASTE MINIMIZATION PLAN

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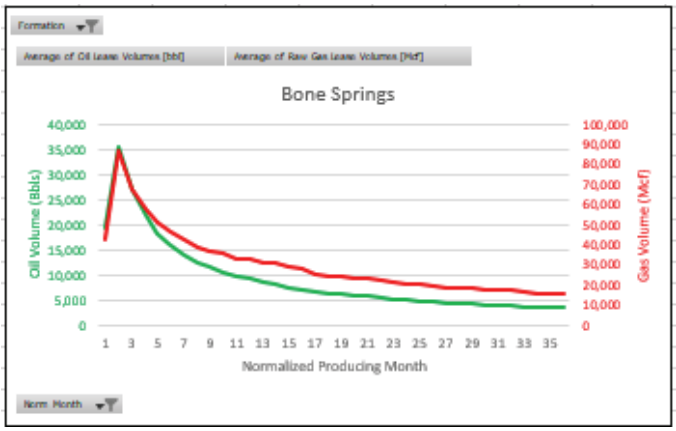

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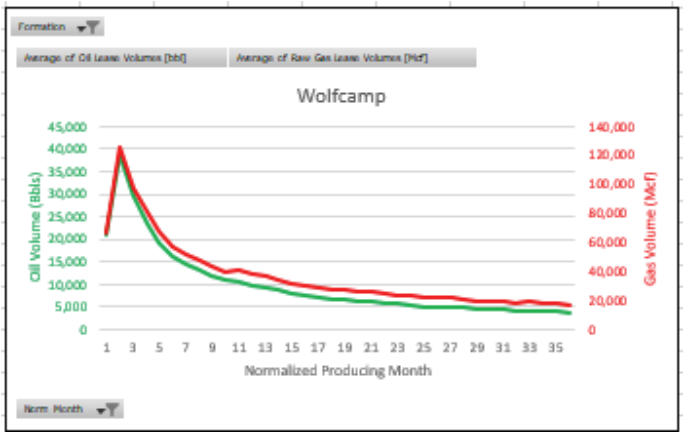

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(4) Addl waste avoidance information: Refer to NGMP Sec. VII. Operational Practices & VIII. Best Management Practices during Maintenance

Devon Energy
Offline Prodction Cementing

10/2025
REV5

NYSE: DVN
devonenergy.com

devon

Offline Production Cementing Variance

Devon is respectfully pursuing a variance to the minimum standards to allow for the cementing of the Production Casing offline in the Wolfcamp and shallower producing horizons.

To ensure personnel safety and well integrity, strict eligibility requirements will be enforced, and a detailed procedure will be followed.

The following slides outline the eligibility requirements, offline procedure, schematics and pressure ratings.

Offline Production Eligibility

Offline Punch List:

The well must meet all criteria to qualify for offline cementing.

A) Well is in the Wolfcamp or shallower bench.
B) No unusual events were observed during drilling, tripping or casing operations.
C) Casing successfully landed out on casing hanger (fluted or solid).
D) Devon Company Men with Well Control certifications will monitor returns (bbl in / bbl out) to ensure well control is maintained.
E) Rig Manager will oversee the walking of the rig to the next well.
F) All barriers MUST test and at no point will there be less than 2 barriers in place.
G) No offset frac operations occurring within 1.0 mile in the same bench.
H) Once all criteria are met and BLM is notified, Devon may proceed with ND BOP and continue offline operations.

Note: Devon will *NOT* drill out the next deep intermediate until cementing on the offline well is complete.

Offline Procedure

- **Devon's Proposed Production Offline Procedure:**

- Run casing and perform negative pressure test during casing run to verify integrity of float equipment's 10M backpressure valves.
- Review Devon's "Punch List" to determine if well is a viable candidate.
- Continue running casing and land casing out on Cactus mandrel hanger.
- Fill casing with KWM and perform flow check ensuring well is static.
  - If well is not static, build pressure or acting abnormal in any way - abort offline operations.
- Install 10M packoff and test same. After successful test, engage locking ring and L/D running tool.
- Install 10M backpressure valve in WH from rig floor.
  - Note: 3 Casing barriers and 2 Annular barriers currently in place.
- Once well is secured and BLM notified, ND BOP and walk rig to next well on pad.
  - If ANY barrier fails to test – the well will be cemented online.
  - Devon Company Man and Devon Cementer will oversee Cementing Operations
  - Rig Manager will walk the rig to the next well.
  - Drill out operations on next deep intermediate will not begin until cementing operations have concluded on the offline well.
- Install 10M Gate Valve and Cactus WH adapter.
- Test connection between WH adapter seals, hanger neck, and ring gasket to 10,000psi.
- Open Frac Valve and remove BPV.
- RU cement head, cement iron, return lines and test same.
- Once all equipment is rigged up, barriers tested and ready to cement, notify BLM of intent to Cement Offline.

Offline Procedure

- **Devon's Proposed Production Offline Procedure (continued):**

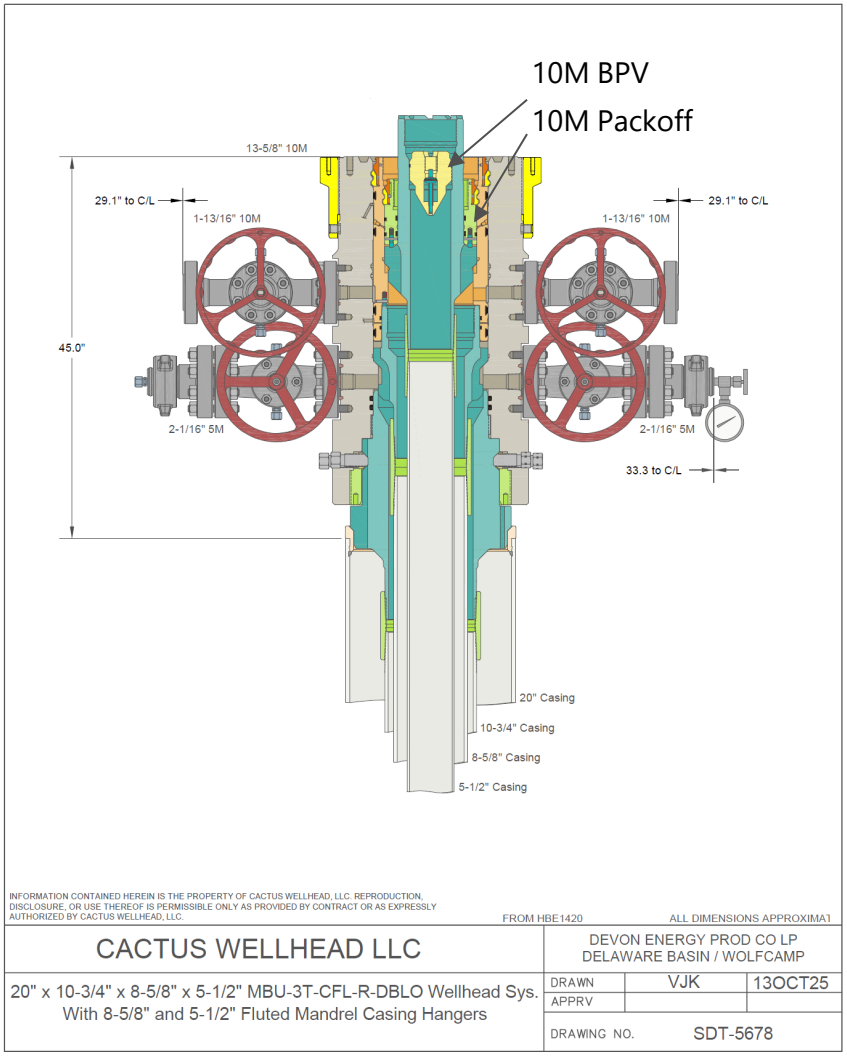
- Perform offline cement job.
- If an influx is observed during the cement job:
  - The Day and Night Company Men will redirect returns from Cementing Manifold to the Rig's choke manifold and hold appropriate backpressure to circulate out influx.
  - If annular surface pressure approaches 25% of the tested pressure of the surface return equipment, or if circulating the influx out with the cementing pumps is not feasible, the well can be secured by closing the 10M casing valves.*
- Bump plug and ensure floats are holding.
  - If plug does not bump or floats do not hold, either the Gate Valve or Cement Head may be closed while we WOC.
- RD cement head and install BPV.
- Remove Gate Valve and WH adapter.
- Install TA Cap with pressure gauge and test same.
- ***Note*** - If the well is within the KPLA, and an uncemented annulus between the Production and Intermediate casing has been utilized; then cement shall be squeezed down both casing valves within 180 days of the well's completion and displaced with a treated fresh water to a TOC below the potash interval and marker bed number 126, with a minimum of 500' tie-back inside the Intermediate Casing as per R111Q.

*Note – This hasn't been observed

Offline Procedure – Detailed

- Run casing and perform negative pressure test during casing run to verify integrity of float equipment's 10,000psi backpressure valves.
  - Review Devon's "Punch List" to determine if well is a viable candidate.
- Continue running casing and land casing out on Cactus mandrel hanger.
- Fill casing with KWM and perform flow check ensuring well is static.
- Install packoff rated to 10,000psi and test same. After successful test, engage locking ring and L/D running tool.
- Install backpressure valve in WH from rig floor.
  - Note: 3 Casing barriers and 2 Annular barriers currently in place.
- Once well is secured and BLM notified, ND BOP and walk rig to next well on pad.
  - If ANY barrier fails to test – the well will be cemented online.
  - Devon PIC and Devon Cementer will oversee Cementing Operations
  - Rig Manager will walk the rig to the next well.
  - Drill out operations on next deep intermediate will not begin until cementing operations have concluded on the offline well.

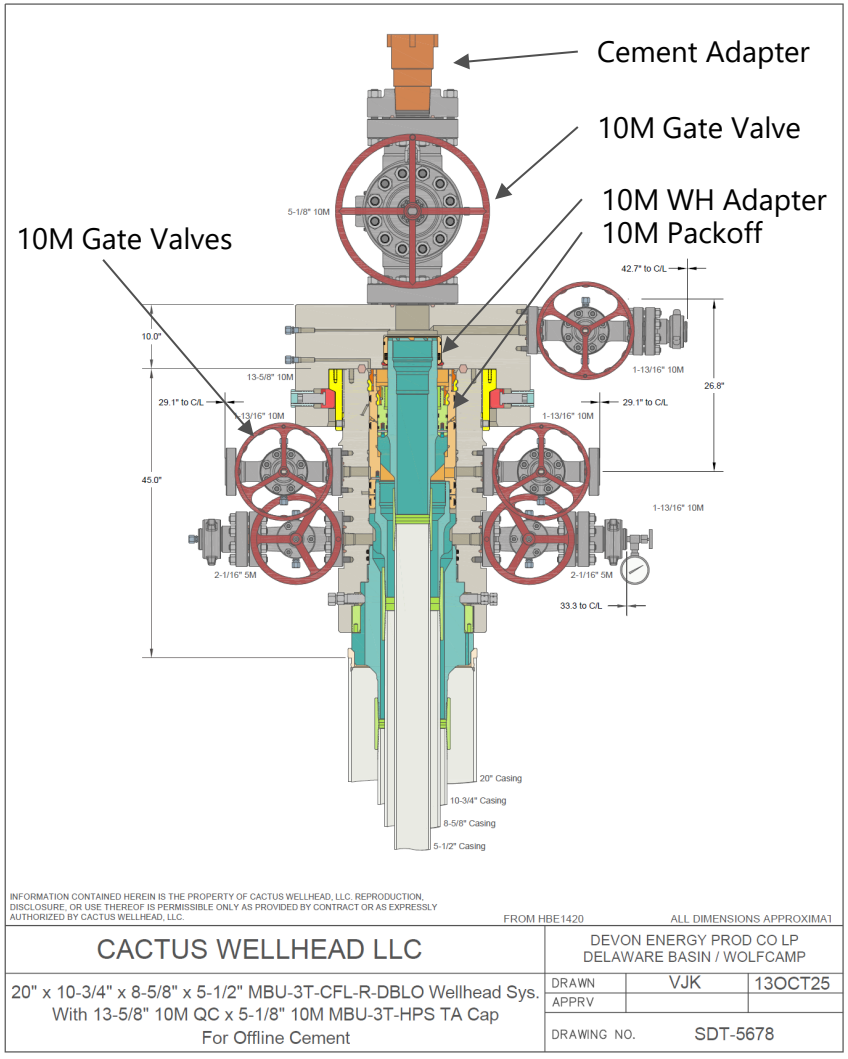
Casing Barrier	Rating	Backside Barrier	Rating
BPV	10,000psi	KWM	> BHP
KWM	> BHP	Packoff	10,000psi
Float Valves (x3)	10,000psi		



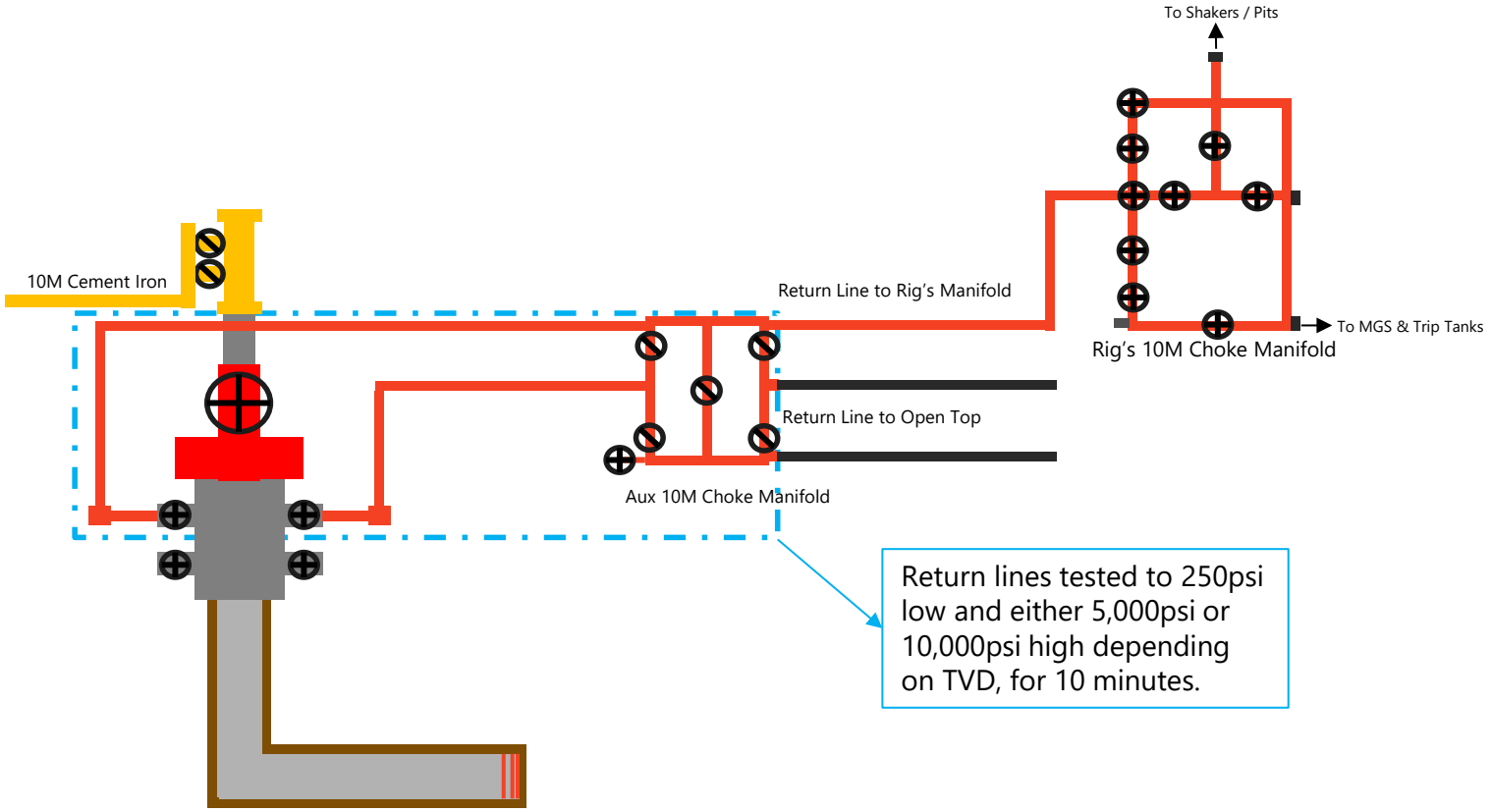
Offline Procedure – Detailed

- Install 10M Frac Valve and Cactus WH adapter.
- Test connection between WH adapter seals, hanger neck, and ring gasket to 10,000psi.
- Open Frac Valve and remove BPV.
- RU cement head, cement iron, return lines and test same.
- Once all equipment is rigged up, barriers tested and ready to cement, notify BLM of intent to Cement Offline.
- Perform offline cement job.
- If an influx is observed during the cement job:
  - The Day and Night Company Men will redirect returns from Cementing Manifold to the Rig's choke manifold and hold appropriate backpressure to circulate out influx.
  - If annular surface pressure approaches 25% of the tested pressure of the surface return equipment, or if circulating the influx out with the cementing pumps is not feasible, the well can be secured by closing the 10M casing valves.
- Bump plug and ensure floats are holding.
  - If plug does not bump or floats do not hold, either the Gate Valve or Cement Head may be closed while we WOC.
- RD cement head and install BPV.
- Remove Gate Valve and WH adapter.
- Install TA Cap with pressure gauge and test same.

Casing Barrier	Rating	Backside Barrier	Rating
Frac Valve	10,000psi	KWM	> BHP
KWM	> BHP	Packoff	10,000psi
Float Valves (x3)	10,000psi	WH Adapter	10,000psi
Cement Head	10,000psi		



Offline Flow Path



10M Valve / Choke

10M Low Torq

Note:
- All lines are 10M rated and tested to **5,000psi for wells less than 12,000' TVD**
- All lines are 10M rated and tested to **10,000psi for wells greater than 12,000' TVD**
- Minimum of 2 barriers in place at ALL times
- Never had to circulate out an influx during an Offline job

Thank you.

BOPE Break Test Variance

10/2025
REV4

NYSE: DVN
devonenergy.com

devon

BOPE Break Test Variance (Less than 12,000' TVD)

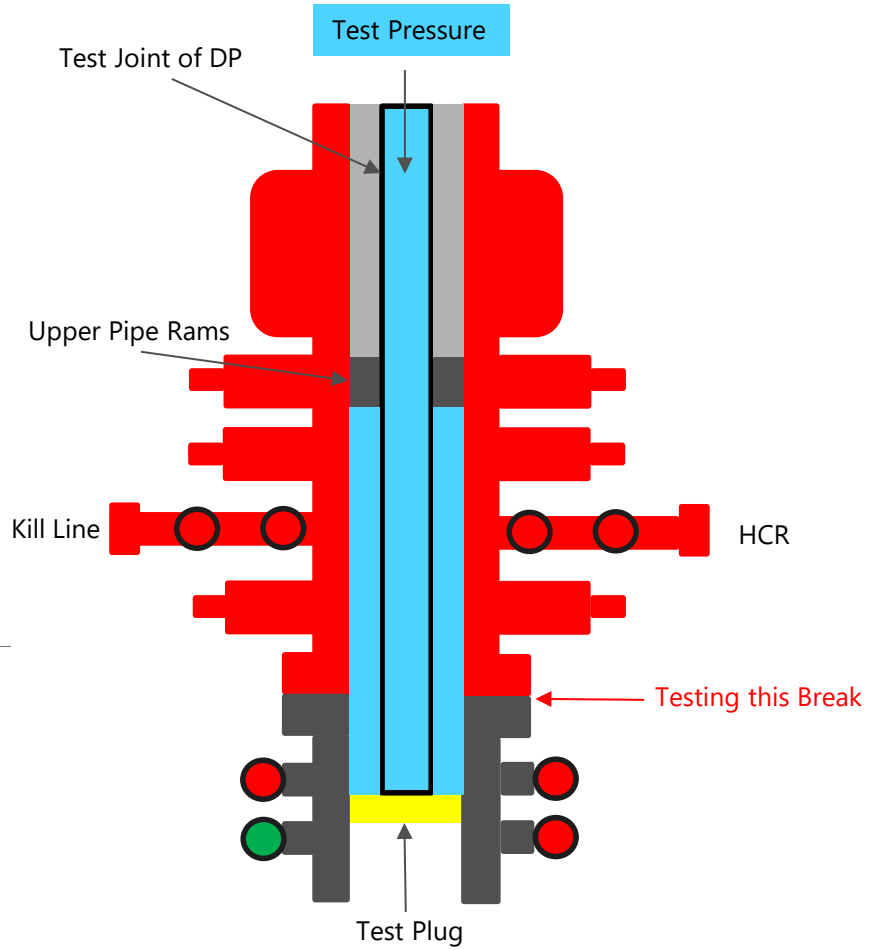
Devon is respectfully pursuing a variance to the minimum standards to allow a testing schedule of the blow out prevention equipment (BOPE) along with Stump Testing, Batch Drilling & Offline Cementing operations to include the following:

- Conduct a full 10k BOPE and 5k Annular test upon initial installation on the pad.
- If the rig has the ability to do a Stump Test, this is permitted for initial installation.
- Perform full BOPE tests every 21 days thereafter.
- Intermediate & Production Break-testing is permitted to the base of the Wolfcamp or shallower (limited to **12,000' TVD)**.
- Once the well is secured and BLM has been notified, disconnect the BOP and walk the rig to the next well on the pad.
    - If any unusual events occur during drilling, tripping, or casing operations, break-testing will not be performed
    - If offset fracturing is observed within 1.0 mile in the same producing horizon, break-testing in the production section will not be performed.
- Each rig requesting a break-test variance must be capable of picking up the BOP without damaging components, using winches and following API Standard 53 (Fifth Edition, December 2018, Annex C, Table C.4), which recognizes break-testing as an acceptable practice.
- Function tests will be performed on the following BOP elements:
    - Annular: During each full BOPE test and at least weekly.
    - Pipe Rams: On every trip and on trip-ins where a FIT is required.
    - Blind Rams: On every trip.
- Break-testing the BOP allows for offline cementing and/or remediation (if needed) of any surface, intermediate, or production sections, in accordance with the attached offline cementing support documentation.
- After securing the well section, disconnect the BOP from the wellhead and walk it with the rig to another well on the pad.
- Install a TA cap per Cactus Wellhead procedures and monitor casing pressure via the valve on the TA cap.

BOPE Break Test Variance (Less than 12,000' TVD)

Test Procedure:

1. Makeup test plug on DP and set in Wellhead.
2. Close Upper Pipe Rams around DP.
3. Close Kill Line & HCR.
4. Open wellhead valve to ensure if pressure leaks past plug, it won't pressure up wellbore.
5. Tie into top of DP at Rig Floor. Fill with water and test Break + Pipe Rams to 250psi low and 10,000psi high.
6. Bleed off pressure.
7. Open Upper Pipe Rams, close wellhead valve and lay down test plug and DP.



Component Table:

Components	Offline	Offline, BOPE	Break	Online
Upper Rams		X	X	X
Blind Rams		X		X
Lower Rams				X
Outside Kill Valve		X	X	X
Inside Kill Valve		X	X	X
Kill Line Check Valve		X	X	X
Inside Choke Valve		X	X	X
HCR		X	X	X
Kill Line	X			X
Annular		X	X	X
Choke Manifold Valves and Hose	X			X
Mudline (Mud Pumps, Rig Floor Valves, Kelly Hose, Mud Line)	X			X
Standpipe Valve	X			X
IBOP (Upper and Lower)	X			X

Devon requests offline BOPE testing for the following components: Upper Rams, Blind Rams, Kill Valves, Choke Valves, and Annular

- Remaining well control equipment components will either be tested offline or online, per BLM approval
- Remaining BOPE will be tested online within 72 hours rom completing the offline BOPE component testing
- Notify the BLM if the online BOPE testing exceeds 72 hours
- All Full Tests not completed "Offline" or "Offline, BOPE" are required to be completed Online

Thank you.